**Online Fonts and Favicon**

**Online Fonts**

Online fonts refer to typefaces that are hosted on the internet and can be integrated into websites through various services. Using online fonts allows web designers to access a broader range of font options beyond the standard fonts available on most systems, enhancing the visual appeal of a website.

**Integrating Google Fonts into a Website**

Google Fonts is a popular service that offers a vast collection of free fonts that can be easily integrated into web pages. Here’s how to use Google Fonts in an HTML document:

1. **Select a Font:** Visit [Google Fonts](https://fonts.google.com) and browse or search for a font you like. Click on the font to view its details.
2. **Get the Embed Code:** Once you’ve selected a font, click the "Select this style" button, and a panel will appear on the right. Copy the <link> tag provided under the "Embed" section.
3. **Add the Link to Your HTML Document:** Paste the copied link inside the <head> section of your HTML document.
4. **Use the Font in Your CSS:** Apply the font to your elements using the font-family property in your CSS.

**Example HTML Document Using Google Fonts:**

html

Copy code

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Using Google Fonts</title>

<!-- Link to Google Fonts -->

<link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap" rel="stylesheet">

<style>

body {

font-family: 'Roboto', sans-serif; /\* Applying the Google Font \*/

}

h1 {

font-weight: 700; /\* Bold font weight \*/

}

p {

font-weight: 400; /\* Normal font weight \*/

}

</style>

</head>

<body>

<h1>Welcome to My Website</h1>

<p>This is a paragraph styled with the Roboto font.</p>

</body>

</html>

**Favicon**

A favicon (short for "favorite icon") is a small icon associated with a website. It appears in the browser tab, bookmarks, and in other areas where the site is represented. Favicons help with branding and make it easier for users to identify your website among multiple open tabs.

**Adding a Favicon to a Web Page**

To add a favicon to your website, follow these steps:

1. **Create a Favicon:** Design a square image (typically 16x16, 32x32, or 48x48 pixels) and save it as .ico, .png, or .jpg.
2. **Upload the Favicon:** Upload the favicon file to your website's root directory or an appropriate directory (e.g., /images/).
3. **Add the Link to Your HTML Document:** Include a <link> tag in the <head> section of your HTML document to reference the favicon.

**Example HTML Code to Add a Favicon:**

html

Copy code

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>My Website with Favicon</title>

<!-- Link to Favicon -->

<link rel="icon" href="favicon.ico" type="image/x-icon">

</head>